

Gold King Mine Historic Dissolved Metals Data (2009 through July 2015)

	ALL DATA			RUNOFF			NON-RUNOFF		
Location	AVERAGE	MIN	MAX	AVERAGE	MIN	MAX	AVERAGE	MIN	MAX
Aluminum (µg/L)	31853	7220	60000	43167	21000	60000	22596	7220	39200
Antimony (µg/L)	4.38	2.5	5	5	5	5	3.75	2.5	5
Arsenic (µg/L)	26.9	1	160	55.2	5	160	3.81	1	8.4
Barium (µg/L)	43.75	25	50	50	50	50	37.5	25	50
Beryllium (µg/L)	8.59	3.7	20	9.39	6.8	20	7.95	3.7	10
Cadmium (µg/L)	72.3	36.1	138	88.9	57.1	138	58.8	36.1	88.6
Calcium (µg/L)	378,700	344,000	414,000	370,333	344,000	403,000	385,545	358,000	414,000
Chromium (µg/L)	6.26	0.5	16.5	9.44	4.04	16.5	3.66	0.5	10
Cobalt (µg/L)	91.3	69.1	121	98.1	75.2	121	84.6	69.1	100
Copper (µg/L)	6381	2450	12100	8026	3800	12100	5035	2450	8370
Dissolved Oxygen (µg/L)	4.12	3.3	5.3	4.9	4.5	5.3	3.6	3.3	3.9
Hardness (mg/L)	1014	997	1040	1009	997	1020	1020	1000	1040
Iron (µg/L)	108,860	46,800	257,000	147,400	46,800	257,000	77,327	47,400	123,000
Lead (µg/L)	15.5	1	29	18.4	1.81	25.3	13.1	1	29
Magnesium (µg/L)	26,700	19,500	37,000	30,400	22,100	37,000	23,673	19,500	29,000
Manganese (µg/L)	30,180	26,000	35,300	28,756	26,000	31,800	31,345	26,200	35,300
Nickel (µg/L)	60.4	37.4	94	71.3	39.7	94	51.6	37.4	68.2
Potassium (µg/L)	1758	931	2500	1676	931	2500	1825	1250	2200
Selenium (µg/L)	5.26	1.7	10	6.56	3.4	10	4.21	1.7	10
Silver (µg/L)	1.39	0.1	5	1.83	0.5	5	1.02	0.1	5
Sodium (µg/L)	5384	4680	6140	5164	4680	6050	5563	4760	6140
Strontium (µg/L)	5593	5090	6220	5655	5090	6220	5530	5280	5780
Thallium (µg/L)	4.38	2.5	5	5	5	5	3.75	2.5	5
TOTAL DISSOLVED SOLIDS (mg/L)	2222	1700	3100	2525	2200	3100	1980	1700	2300
Vanadium (µg/L)	17.5	10	20	20	20	20	15	10	20
Zinc (µg/L)	25,655	13,000	41,900	30,278	19,100	41,900	21,873	13,000	29,300

µg/L micrograms per liter

mg/L milligrams per liter

Runoff Samples from May June and July were assumed to represent runoff conditions